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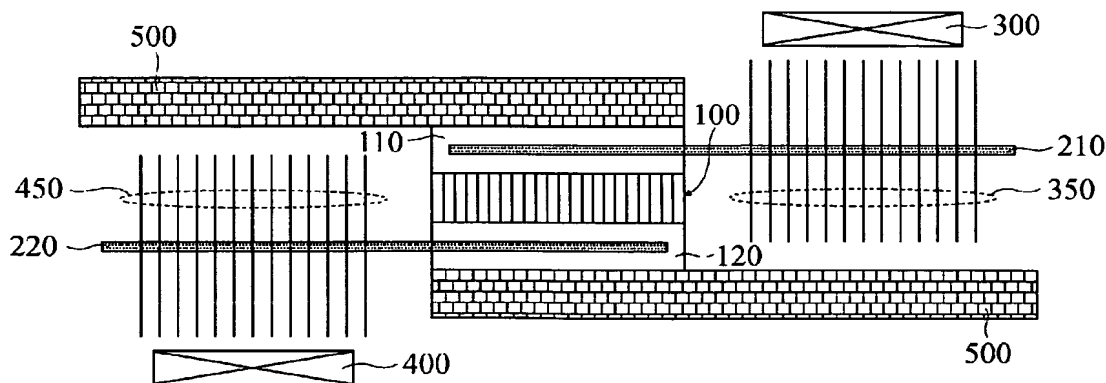
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(54) Title: **COMPACT THERMAL EXCHANGE UNIT OF THERMO-ELECTRIC COOLING MODE USING HEAT PIPE**



(57) Abstract: The present invention relates to a thermal exchange device using heat pipes to effectively discharge heat from inside of an open-air communication system. The present invention provides a plurality of heat pipes directly inserted between the plates of the thermo-electric cooling unit for accommodating a plurality of fins thereon. According to the structure suggested by the invention, since the heat pipes can be placed laterally with the thermo-electric cooling unit, the size of the overall communication system can be reduced with the same discharge capability.

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